



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090600

Mode: Highway

Status: Submitted

I-85 BUS , US-29, US-70

From/Cross Street: US 311 (Main Street)

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Regional Impact

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,175,000

Description:

Reconstruct the Existing interchange to Better Accomodate Traffic.

Division(s): Division 8

County(s): RANDOLPH

MPOS(s)/RPO(s): High Point Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 58.24

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 59.99	Percent: 15% Points: 100	Percent: 15% Points: 100
[Travel Time] Benefit/Cost (25%) 0.28		
Safety (10%) 83.35		
Accessibility / Connectivity (10%) 48.36		
Totals: Weight: 70% Weighted Score: 28.24		

Division Needs Total Score: 20.39

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.28	Percent: 25% Points: 0	Percent: 25% Points: 0
Congestion (V/C) (20%) 59.99		
Safety (10%) 83.35		
Totals: Weight: 50% Weighted Score: 20.39		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	72541.47
Capacity:	140501.4
Volume/Capacity Ratio:	0.52
% Autos:	87%
% Trucks:	13%
Truck Volume:	9698.43
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	100
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	45.2
Travel Time Index:	1.55

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	26000
Travel Time Savings for 30 Years (Autos):	22523.93
Travel Time Savings for 30 Years (Trucks):	3476.07
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
High Point Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$1,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$300,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,175,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,175,000	